Recommended Postexposure Prophylaxis for Percutaneous Exposure to Hepatitis B Virus*

Vaccination and antibody status of exposed person		Treatment when source is		
		HBsAg⁺ positive	HBsAg negative	Not tested or infection status unknown
Unvaccinated		HBIG [‡] X 1; Initiate hepatitis B series	Initiate hepatitis B series	Initiate hepatitis B vaccine series
Previously Vaccinated	Known Responder [§]	No treatment	No treatment	No treatment
	Known non-responder, no revaccination	HBIG X 1 and initiate revaccination	No treatment; consider revaccination for future protection	If known high-risk source, treat as if source were HBsAg positive.
	Known non-responder to initial & revaccination series	HBIG X 2 – second dose one month after the first	No treatment	If known high-risk source, treat as if source were HBsAg positive
	Antibody response unknown	Test exposed person for anti-HBs -If adequate [¶] , no treatment -If inadequate [¶] , HBIG X 1 and vaccine booster dose [#]	No testing, no treatment	Test exposed person for anti- HBs -If adequate [¶] , no treatment -If inadequate [¶] , vaccine booster dose [#]

^{*} Postexposure recommendations apply ≤7 days after exposure.

- † Hepatitis B surface antigen
- # Hepatitis B immune globulin (0.06 mL/kg administered intramuscularly)
- § Person with anti-HBs antibody level of \$10 mIU/mL
- || Antibody to hepatitis B surface antigen
- ¶ Adequate response is anti-HBs \$10mIU/mL; inadequate response is anti-HBs<10mIU/mL

Modified from:

Pickering L, eds. "Red Book 2000 Report of the Committee on Infectious Diseases, 25th ed." 2000, American Academy of Pediatrics, p. 302.

Atkinson W, Wolfe C, eds. "Epidemiology and Prevention of Vaccine-Preventable Diseases, 7th ed." Jan 2002, DHHS-CDC, p.185.

#The person should be evaluated for antibody response after the vaccine booster dose. For persons who received HBIG, anti-HBs testing should be done when passively acquired antibody from HBIG is no longer detectable (eg, 4-6 mo); if they did not receive HBIG, anti-HBs testing should be done 1-2 months after the vaccine booster dose. If anti-HBs is inadequate (<10ml I/ml) after the vaccine booster dose.